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Substitute for form 1449/PTO

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Sheet 1 of 3

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|                        |                   |
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| Application Number     | 10/756,802        |
| Filing Date            | January 13, 2004  |
| First Named Inventor   | BAMDAD, Cynthia C |
| Art Unit               | 1634              |
| Examiner Name          | FORMAN, BETTY J   |
| Attorney Docket Number | M1015 Z0070US01   |

#### **U. S. PATENT DOCUMENTS**

## FOREIGN PATENT DOCUMENTS

| FOREIGN PATENT DOCUMENTS |           |                                                                                                                |                                |                                                    |
|--------------------------|-----------|----------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------------------------------------|
| Examiner Initials*       | Cite No.* | Foreign Patent Document<br>Country Code <sup>1</sup> , Number <sup>2</sup> , Kind Code <sup>3</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document |
|                          |           | WO 00/33079                                                                                                    | 06-08-2000                     | Nanosphere LLC                                     |
|                          |           | WO 00/43791                                                                                                    | 07-27-2000                     | Minerva Biotechnologies Corporation                |
|                          |           | WO 99/45149                                                                                                    | 09-10-1999                     | Lifespan Biosciences, Inc.                         |
|                          |           | JP 10-507357A                                                                                                  | 07-21-1998                     | Lynx Therapeutics, Inc.                            |

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| Examiner<br>Signature |  | Date<br>Considered |  |
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|                              |   |    |   | <b>First Named Inventor</b>   | BAMDAD, Cynthia C. |
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|                              |   |    |   | <b>Examiner Name</b>          | FORMAN, BETTY J    |
| Sheet                        | 2 | of | 3 | <b>Attorney Docket Number</b> | M1015.70070US01    |

| <b>NON PATENT LITERATURE DOCUMENTS</b> |                       |                                                                                                                                                                                                                                                                 |  |  |                |
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|                                        | C1                    | Wiebe, Li, "Drug Delivery Systems—Fifth US-Japan Symposium 12-17 December 1999, Lahaina, Hawaii,"  Drugs, 2000 March; 3(3):277-9.                                                                                                                               |  |  | T <sup>2</sup> |
|                                        | C2                    | Sachdeva, MS, "Drug targeting systems for cancer chemotherapy," Expert Opin Investig Drugs, 1998 Nov; 7 (11):1849-64.                                                                                                                                           |  |  |                |
|                                        | C3                    | Demers, LM, et al., "A fluorescence-based method for determining the surface coverage and hybridization efficiency of thiol-capped oligonucleotides bound to gold thin films and nanoparticles," Anal Chem, 2000 Nov 15; 72(22):5535-41.                        |  |  |                |
|                                        | C4                    | Taton, TA, et al., "Scanometric DNA array detection with nanoparticle probes," Science, 2000 Sep 8; 289 (5485):1757-60.                                                                                                                                         |  |  |                |
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|                                        | C6                    | Barratt, GM, "Therapeutic applications of colloidal drug carriers," Pharm Sci Technolo Today, 2000 May; 3 (5):163-171.                                                                                                                                          |  |  |                |
|                                        | C7                    | Letsinger, RL, et al., "Use of a steroid cyclic disulfide anchor in constructing gold nanoparticle-oligonucleotide conjugates," Bioconjug Chem., 2000 Mar-Apr, 11(2):289-91.                                                                                    |  |  |                |
|                                        | C8                    | Tondelli, L., et al., "Specifically designed polymers nanospheres increase cellular uptake of unmodified antisense ODNs," Nucleosides & Nucleotides, 1999 Jun-July; 18(6-7):1677-9.                                                                             |  |  |                |
|                                        | C9                    | Zimmer, A., "Antisense oligonucleotide delivery with polyhexylcyanoacrylate nanoparticles as carriers," Methods, 1999 Jul; 18(3):286-95, 322.                                                                                                                   |  |  |                |
|                                        | C10                   | Aynie, I., et al. "Spongelike alginate nanoparticles as a new potential system for the delivery of antisense oligonucleotides," Antisense Nucleic Acid Drug Dev., 1999 Jun; 9(3):301-12.                                                                        |  |  |                |

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| Examiner Initials*                     | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |  |  |
|                                        | C11                   | Maier et al., "Quantitation of phosphorothioate oligonucleotides in human blood plasma using a nanoparticle-based method for solid-phase extraction," <i>Anal Chem.</i> , 1998 Jun 1; 70(11):2197-204                                                           |                |  |  |
|                                        | C12                   | Fritz, H., et al., "Cationic Polystyrene Nanoparticles: Preparation and Characterization of a Model Drug Carrier System for Antisense Oligonucleotides," <i>J Colloid Interface Sci.</i> , 1997 Nov 15; 195(2): 272-88.                                         |                |  |  |
|                                        | C13                   | Zobel, HP, et al., "Cationic polyhexylcyanoacrylate nanoparticles as carriers for antisense oligonucleotides," <i>Antisense Nucleic Acid Drug Dev.</i> , 1997 Oct; 7(5):483-93.                                                                                 |                |  |  |
|                                        | C14                   | Elghanian, R., et al., "Selective colorimetric detection of polynucleotides based on the distance-dependent optical properties of gold nanoparticles," <i>Science</i> , 1997 Aug 22; 277(5329):1078-81.                                                         |                |  |  |
|                                        | C15                   | Schwab, G. et al., "Antisense oligonucleotides adsorbed to polyalkylcyanoacrylate nanoparticles specifically inhibit mutated H-ras-mediated cell proliferation and tumorigenicity in nude mice," <i>Proc Natl Acad Sci USA</i> , 1994 Oct 25; 91(22):10460-4.   |                |  |  |
|                                        | C16                   | Battersby, BJ, et al., "Toward Larger Chemical Libraries: Encoding with Fluorescent Colloids in Combinatorial Chemistry," <i>J. Am. Chem. Soc.</i> , 2000; I22:2138-2139.                                                                                       |                |  |  |
|                                        | C17                   | Coester, C., et al., "Preparation of avidin-labelled gelatin nanoparticles as carriers for biotinylated peptide nucleic acid (PNA)," <i>Int. J. Pharm.</i> , 2000 March; 196: 147-149.                                                                          |                |  |  |
|                                        | C18                   | Shaiu, et al., "Atomic force microscopy of oriented linear DNA molecules labeled with 5nm gold spheres," <i>Nucleic Acids Research</i> , 1993; 21(1):99-103.                                                                                                    |                |  |  |
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